

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: September 16, 2003, 11:42:03 ; Search time 11.2796 Seconds
(without alignments)
742.718 Million cell updates/sec

Title: US-10-083-336A-3

Sequence: 1 IFPKQYPIINFTTAGATVQS.....ARFOYIEGEMTRIRYNRKS 198

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310838 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pap:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pap:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pap:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pap:*
5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pap:*
6: /cgn2_6/ptodata/1/1aa/backfiles.pap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1020	100.0	267	1 US-07-901-707-1	Sequence 1, Appl
2	1020	100.0	267	1 US-07-988-430-1	Sequence 1, Appl
3	1020	100.0	267	1 US-08-425-336-1	Sequence 1, Appl
4	1020	100.0	267	1 US-08-488-1138-1	Sequence 1, Appl
5	1020	100.0	267	2 US-08-477-484B-1	Sequence 1, Appl
6	1020	100.0	267	2 US-08-546-360-1	Sequence 1, Appl
7	1020	100.0	267	3 US-08-839-765-1	Sequence 1, Appl
8	1020	100.0	267	3 US-09-136-389-1	Sequence 1, Appl
9	1020	100.0	267	4 US-09-610-838-1	Sequence 1, Appl
10	1020	100.0	267	5 PCT-US92-09487-1	Sequence 1, Appl
11	1020	100.0	268	1 US-08-356-786-8	Sequence 1, Appl
12	1020	100.0	290	1 US-08-378-761A-27	Sequence 8, Appl
13	1020	100.0	290	1 US-08-485-286-27	Sequence 27, Appl
14	1020	100.0	290	6 5248606-4	Patent No. 5248606
15	1020	100.0	534	2 US-08-356-786-10	Sequence 10, Appl
16	1010	99.0	267	1 US-08-218-303-16	Sequence 16, Appl
17	1010	99.0	267	2 US-08-338-793D-61	Sequence 61, Appl
18	1010	99.0	267	4 US-09-538-873-1	Sequence 1, Appl
19	930.5	91.2	540	1 US-08-378-761A-77	Sequence 77, Appl
20	930.5	91.2	540	1 US-08-485-286-77	Sequence 77, Appl
21	342	33.5	247	1 US-08-488-1138-6	Sequence 6, Appl
22	342	33.5	247	1 US-08-477-484B-6	Sequence 6, Appl
23	342	33.5	247	2 US-08-646-360-6	Sequence 6, Appl
24	342	33.5	247	3 US-08-839-765-6	Sequence 6, Appl
25	342	33.5	247	3 US-09-136-389-6	Sequence 6, Appl
26	342	33.5	247	4 US-09-610-838-6	Sequence 6, Appl
27	342	33.5	267	1 US-08-378-761A-74	Sequence 74, Appl

28	342	33.5	267	1 US-08-485-286-74	Sequence 74, Appl
29	342	33.5	289	1 US-07-923-692C-4	Sequence 4, Appl
30	342	33.5	289	1 US-08-184-237-4	Sequence 4, Appl
31	342	33.5	289	2 US-08-482-920-4	Sequence 4, Appl
32	342	33.5	289	3 US-08-484-341-4	Sequence 4, Appl
33	342	33.5	289	3 US-08-483-502-4	Sequence 4, Appl
34	342	33.5	289	4 US-09-726-651A-4	Sequence 4, Appl
35	341.5	33.5	282	1 US-08-324-301-15	Sequence 15, Appl
36	329.5	32.3	250	1 US-08-378-761A-71	Sequence 71, Appl
37	329.5	32.3	250	1 US-08-485-286-71	Sequence 71, Appl
38	323.5	31.7	251	4 US-09-538-873-3	Sequence 3, Appl
39	312.5	30.6	255	1 US-07-901-707-6	Sequence 6, Appl
40	312.5	30.6	255	1 US-07-988-430-6	Sequence 6, Appl
41	312.5	30.6	255	1 US-08-425-336-6	Sequence 6, Appl
42	312.5	30.6	255	5 PCT-US92-09487-6	Sequence 6, Appl
43	312	30.6	248	3 US-08-902-486-7	Sequence 7, Appl
44	312	30.6	290	1 US-08-245-784A-2	Sequence 2, Appl
45	312	30.6	290	2 US-08-597-731-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-07-901-707-1
; Sequence 1, Application US/07901707
; Patent No. 5376546
; GENERAL INFORMATION:
; APPLICANT: Bernhardt, Susan L.
; APPLICANT: Better, Marc D.
; APPLICANT: Carroll, Steve P.
; APPLICANT: Lane, Julie A.
; TITLE OF INVENTION: Materials Comprising and Methods of
; TITLE OF INVENTION: Composition and Use for Ribosome-Inactivating Proteins
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/901,707
; FILING DATE: 19920619
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/787,567
; FILING DATE: 04-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5376546and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27129/30910
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 346-5750
; TELEFAX: (312) 984-5750
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 267 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-901-707-1

Query Match 100.0% Score 1020; DB 1; Length 267;

Best Local Similarity 100.0%; Pred. No. 1.7e-111;
 Matches 198; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFPKQYPIINFTAGATVQSYTNFIRAVRGLTTGADVRHEIPVLPNRVGLP-INORFILV 60
 |||||
 Db 1 IFPKQYPIINFTAGATVQSYTNFIRAVRGLTTGADVRHEIPVLPNRVGLP-INORFILV 60
 |||||

QY 61 ELSNHAELSVTALDVTNAYVVGVRAGNSAYFFHPDQDEAEATHLFTDVQNRVTFAG 120
 |||||
 Db 61 ELSNHAELSVTALDVTNAYVVGVRAGNSAYFFHPDQDEAEATHLFTDVQNRVTFAG 120
 |||||

QY 121 GNYDRLEQLAGNLRNENIELGNGPLEEASALYYSTGGTOLPTLARSFICIQMISEAAR 180
 |||||
 Db 121 GNYDRLEQLAGNLRNENIELGNGPLEEASALYYSTGGTOLPTLARSFICIQMISEAAR 180
 |||||

QY 181 FOYIEGEMTRIRYNRRS 198
 |||||
 Db 181 FOYIEGEMTRIRYNRRS 198
 |||||

RESULT 2
 US-07-988-430-1
 ; Sequence 1, Application US/07988430
 ; Patent No. 5416202
 ; GENERAL INFORMATION:
 ; APPLICANT: Bernhard, Susan L.
 ; APPLICANT: Better, Marc D.
 ; APPLICANT: Carroll, Stephen F.
 ; APPLICANT: Lane, Julie A.
 ; APPLICANT: Lei, Shau-Ping
 ; TITLE OF INVENTION: Materials Comprising and Methods of
 ; TITLE OF INVENTION: Preparation and Use for Ribosome-Inactivating Proteins
 ; NUMBER OF SEQUENCES: 101
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
 ; ADDRESSEE: Bicknell
 ; STREET: Two First National Plaza, 20 South Clark
 ; STREET: Street
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60603
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/988,430
 ; FILING DATE: 19921209
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/901,707
 ; FILING DATE: 19-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/787,567
 ; FILING DATE: 04-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: No. 5416202and, Greta E.
 ; REGISTRATION NUMBER: 35302
 ; REFERENCE/DOCKET NUMBER: 31133
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (312) 346-5750
 ; TELEFAX: (312) 984-9740
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 267 amino acids
 ; TYPE: AMINO ACID
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-07-988-430-1

Query Match 100.0%; Score 1020; DB 1; Length 267;
 Best Local Similarity 100.0%; Pred. No. 1.7e-111;
 Matches 198; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IFPKQYPIINFTAGATVQSYTNFIRAVRGLTTGADVRHEIPVLPNRVGLP-INORFILV 60
 |||||
 Db 1 IFPKQYPIINFTAGATVQSYTNFIRAVRGLTTGADVRHEIPVLPNRVGLP-INORFILV 60
 |||||

QY 61 ELSNHAELSVTALDVTNAYVVGVRAGNSAYFFHPDQDEAEATHLFTDVQNRVTFAG 120
 |||||
 Db 61 ELSNHAELSVTALDVTNAYVVGVRAGNSAYFFHPDQDEAEATHLFTDVQNRVTFAG 120
 |||||

QY 121 GNYDRLEQLAGNLRNENIELGNGPLEEASALYYSTGGTOLPTLARSFICIQMISEAAR 180
 |||||
 Db 121 GNYDRLEQLAGNLRNENIELGNGPLEEASALYYSTGGTOLPTLARSFICIQMISEAAR 180
 |||||

QY 181 FOYIEGEMTRIRYNRRS 198
 |||||
 Db 181 FOYIEGEMTRIRYNRRS 198
 |||||

RESULT 3
 US-08-425-336-1
 ; Sequence 1, Application US/08425336
 ; Patent No. 5621083
 ; GENERAL INFORMATION:
 ; APPLICANT: Better, Marc D.
 ; APPLICANT: Carroll, Stephen F.
 ; APPLICANT: Studnika, Gary M.
 ; TITLE OF INVENTION: Immunotoxins Comprising Ribosome-Inactivating
 ; TITLE OF INVENTION: Proteins
 ; NUMBER OF SEQUENCES: 140
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
 ; STREET: 6300 Sears Tower, 233 South Wacker Drive
 ; CITY: Chicago
 ; STATE: Illinois
 ; COUNTRY: USA
 ; ZIP: 60606-6402
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/425,336
 ; FILING DATE: 18-APR-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/064,691
 ; FILING DATE: 12-MAY-1993
 ; APPLICATION NUMBER: US 07/901,707
 ; FILING DATE: 19-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/787,567
 ; FILING DATE: 04-NOV-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Meyers, Thomas C.
 ; REGISTRATION NUMBER: P-36,989
 ; REFERENCE/DOCKET NUMBER: 31394
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 312/474-6300
 ; TELEFAX: 312/474-0448
 ; TELEX: 25-3856
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 267 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-425-336-1

Query Match 100.0%; Score 1020; DB 1; Length 267;